

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1 – 4 (cancelled).

i) compare the measured pressure to the three pressure ranges, each one of predetermined pressure sub-ranges each of which has a minimum pressure and a maximum pressure,

ii) establish operation of the pump within one of said sub-pressure ranges, and

iii) trigger a safety shutdown of the pump if the maximum pressure of the established subrange is reached within the storage tank.

Claim 6 (previously presented): The system of claim 5, wherein the control unit is connected to a secondary hose that can be connected selectively to the pressure tapping of the storage tank.

Claim 7 (previously presented): The system of claim 5, wherein the filling hose comprises a manually-disengageable non-return valve device.

Claim 8 (previously presented): The system of claim 5, wherein the cryogenic fluid is a gas from the air.

Claim 9 (cancelled)

Claim 10 (currently amended): The system of claim ~~[[9]]~~ 5, wherein a first pressure ~~of said sub-ranges~~ is from 0.5 to 5 bar, a second pressure ~~of said sub-ranges~~ is from 6 to 15 bar, and a third pressure ~~of said sub-ranges~~ is from 16 to 35 bar.

Claim ~~[[10]]~~ 11 (currently amended): The system of claim 5, wherein said programmable logic allows the pump to start up with a delivery pressure corresponding to a lower limit of said range and triggers a safety shutdown of said pump if the upper limit of said range is reached in said storage tank.

Claim ~~[[11]]~~ 12 (canceled)

Claim ~~[[12]]~~ 13 (currently amended): The system of claim 5, wherein said secondary hose is adapted such that said secondary hose cannot be kept under pressure when disconnected from the pressure tapping.